



## **NOTICE OF REASON FOR REJECTION**

Dispatch Date : June 15, 2004

Japanese Patent Application Number : No. 2000-225161

Drafting Date : June 8, 2004

Examiner of Patent Office : Akira KUWAE

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Applied Provision : Section 29(2)

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This application should be refused for the reason mentioned below. If the applicant has any argument against the reason, such argument should be submitted within 60 days from the date on which this notification was dispatched.

### **REASON(S)**

The invention(s) in the claim(s) listed below of the subject application should not be granted a patent under the provision of Patent Law Section 29(2) since it could have easily been made by persons who have common knowledge in the technical field to which the invention(s) pertains, on the basis of invention(s) described in the publication(s) listed below which was distributed, or invention(s) made accessible to public through electric telecommunication line, in Japan or foreign countries prior to the filing of the subject application.

Reference [Refer to the list of Cited Reference(s).]

Claim(s) 1 – 9

Cited Reference(s) 1 – 9

Remarks:

Cited References 1 – 8 describe a radio receiving apparatus comprising: a first estimator that obtains a first channel estimation value of a known signal portion of a received signal; a second estimator that obtains a second channel estimation value of a data portion of the received signal; a weighting section that weights the second channel estimation value according to reliability of a temporary decision value of the data portion; and a compensator that compensates for channel variations of the data portion using a third channel estimation value obtained by combining the weighted second channel estimation value and the first channel estimation value.

In addition, Cited Reference 9 describes a radio receiving apparatus wherein said deciding section decides that reliability of the temporary decision value is high when a signal point of the temporary decision value belongs to a predetermined area on an I-Q plane.

No other reason(s) for rejection of this application has been found except for the abovementioned reasons. If, however, any new reason for refusal is found in future, a further notice will be issued.

- Cited Reference(s)
  1. Japanese Laid-Open Patent Publication No. H5-316083
  2. Japanese Laid-Open Patent Publication No. H6-334692 \*
  3. Japanese Laid-Open Patent Publication No. H6-338914 \*
  4. Japanese Laid-Open Patent Publication No. H7-058672 \*
  5. Japanese Laid-Open Patent Publication No. H7-095107 \*
  6. Japanese Laid-Open Patent Publication No. H8-037479 \*
  7. Japanese Laid-Open Patent Publication No. H10-173573 \*
  8. Japanese Laid-Open Patent Publication No. H11-205198
  9. Japanese Laid-Open Patent Publication No. H11-055166